

SUNSPOT REGION HISTORIES - Catania Solar Observatory

This collection of daily sunspot region measurements was taken from Table I in the annual SOLAR OBSERVATIONS bulletins published by the Catania Astrophysical Observatory. These day-by-day, region-by-region reports track the birth, the growth, and the decay of spot groups, as solar rotation carries them across the face of the sun.

Each 80-character record includes heliographic position, classification, count, and area of one spot group on the sun's disk. Records are collected into files that contain observations for 1 year. Within each file, lines are sorted first by date and time and then by decreasing solar longitude, which orders the spot group reports for a day from the most westward region on the sun's disk to the most eastward.

group-reports_cata_format - definition of fields contained in each sunspot group record.

group-reports_cata_yyyy - sunspot region reports for year "yyyy" wherein areas (as observed) are given in millionths of the area of the solar disk; areas corrected for foreshortening are expressed in millionths of the area of the solar hemisphere.

Catania Solar Observatory: http://www.ct.astro.it/index_en.html

Data Archives: <http://www.oact.inaf.it/sun/archivio/Archivio.htm>

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